

ctacttttagt cagttccgca gtattacaaa aggatgtcgc aaacgctggt tgctcctcta 10380
 caaaacagac cttaaaaccc taaaggctta agtagcacc tcgcaagctc gggcaaatacg 10440
 ctgaatatct cttttgtctc cgaccatcag gcacctgagt cgctgtcttt ttcgtgacat 10500
 tcagttcgct gcgctcacgg ctctggcagt gaatgggggt aaatggcact acaggcgctt 10560
 tttatggatt catgcaagga aactacccat aatacaagaa aagcccgtca cgggcttctc 10620
 agggcggttt atggcggttc tgctatgtgg tgctatctga ctttttgctg ttcagcagtt 10680
 cctgccctct gattttccag tctgaccact tcggattatc ccgtgacagg tcattcagac 10740
 tggctaatagc acccagtaag gcagcggtat catcaacagg cttaccgctc ttactgtcaa 10800
 c 10801

<210> 77

<211> 8654

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Recombinant
 pAN236 plasmid

<400> 77

ctcgaaggcct acctagcttc caagaaagat atcctaacag cacaagagcg gaaagatggt 60
 ttgtttctaca tccagaacaa cctctgctaa aattcctgaa aaattttgca aaaagttggt 120
 gactttatct acaagggtgtg gtataataat cttaacaaca gcaggacgct ctagaggagg 180
 agacatcatg aaaattggaa ttatcggcgg aggtccggtt ggtcttttat gcgcctatta 240
 tttgtcactt tatcacgacg tgactgttgt gacgaggcgg caagaacagg ctgcggccat 300
 tcagtctgaa ggaatccggc tttataaagg cggggaggaa ttcagggtctg attgcagtgc 360
 ggacacgagt atcaattcgg actttgacct gcttgctgtg acagtgaagc agcatcagct 420
 tcaatctgtt ttttcgtcgc ttgaacgaat cgggaagacg aatatattat ttttgcaaaa 480
 cggcatgggg catatccacg acctaaaaga ctggcacggt ggccattcca tttatgttgg 540
 aatcgttgag cacggagctg taagaaaatc ggatacagct gttgatcata caggcctagg 600
 tgcgataaaa tggagcgcgt tcgacgatgc tgaaccagac cggctgaaca tcttgtttca 660
 gcataacccat tcggattttc cgatttatta tgagacggat tggtagcgtc tgctgacggg 720
 caagctgatt gtaaatgcgt gtattaatcc ttttaactgcg ttattgcaag tgaaaaatgg 780
 agaactgctg acaacgccag cttatctggc ttttatgaag ctggtatttc aggaggcatg 840
 ccgcatttta aaacttgaaa atgaagaaaa ggcttgggag cgggttcagg ccgtttgtgg 900
 gcaaacgaaa gagaatcgtt catcaatgct gggtgacgtc attggaggcc ggcagacgga 960

10380 10440 10500 10560 10620 10680 10740 10800 10801

agctgacgcc attatcggat acttattgaa ggaagcaagt cttcaaggtc ttgatgccgt 1020
 ccacctagag tttttatattg gcagcatcaa agcattggag cgaaatacaa acaaagtctt 1080
 ttgagctttt tcggtaacat gctataactca tttcggatca ctaactatctt attggaggat 1140
 cctgtttttg cggaatgagag aagattttca gcctgataca gattaaatca gaacgcagaa 1200
 gcggtctgat aaaacagaat ttgcctggcg gcagtagcgc ggtgggtcca cctgaccca 1260
 tgccgaactc agaagtgaag cgccgtagcg ccgatggtag tgtggggtct ccccatgcga 1320
 gagtagggaa ctgccaggca tcaataaaaa cgaaaggctc agtcgaaaga ctgggccttt 1380
 cgttttatct gttgtttgtc ggtgaacgct ctctgagta ggacaaatcc gccgggagcg 1440
 gatttgaacg ttgcgaagca acggcccga ggggtggcggg caggacgccc gccataaact 1500
 gccaggcatc aaattaagca gaaggccatc ctgacggatg gcctttttgc gtttctacaa 1560
 actcttggtc ccagaaaaa ggggcaaaaag cggctgttaa aaaagcgaaa tcgaagaagc 1620
 tgtctgccgc taagacggaa tatcaaaagc gttctgctgt tgtgtcatct ttaaaagtca 1680
 cagccgatga atccagcaa gatgtctaa aatacttgaa caccagaaa gataaaggaa 1740
 atgcagacca aattcattct tattatgtgg tgaacgggat tgctgttcat gcctcaaaag 1800
 aggttatgga aaaagtggcg cagtttcccg aagtggaaaa ggtgcttctt aatgagaaac 1860
 ggcagctttt taagtcatcc tccccattta atatgaaaaa agcacagaaa gctattaaag 1920
 caactgacgg tgtggaatgg aatgtagacc aaatcgatgc cccaaaagct tgggcacttg 1980
 gatatgatgg aactggcagc gttgttgctt ccattgatac cggggtggaa tggaatcatc 2040
 cggcattaaa agagaaatat cgggatata atccgaaaa tcctaatgag cctgaaaatg 2100
 aaatgaactg gtatgatgcc gtagcaggcg aggcaagccc ttatgatgat ttggctcatg 2160
 gaacccacgt gacaggcacg atggtgggct ctgaacctga tggaacaaat caaatcggcg 2220
 tagcacctgg cgcaaatgg attgctgtta aagcgttctc tgaagatggc ggactgatg 2280
 ctgacatttt ggaagctggg gaatgggttt tagcaccaa ggacgcggaa ggaaatcccc 2340
 acccggaat ggctcctgat gttgtcaata actcatgggg agggggctct ggacttgatg 2400
 aatggtacag agacatggc aatgcctggc gttcggccga tttttccctt gagttttcag 2460
 cggggaatac ggaatctttt attccggcg ggcctgggtc tatcgcaaat ccggcaaaact 2520
 atccagaatc gtttgcaact ggagcgactg agaattccaa tccccatgg agagaaaaga 2580
 aaatcgctaa tgttgattac tttgaacttc tgcatattct tgaattttaa aaggctgaaa 2640
 gagtaaaaga ttgtgctgaa atattagagt ataaacaaaa tcgtgaaaca ggcgaaagaa 2700
 agttgtatcg agtgtgggtt tgtaaatcca ggctttgtcc aatgtgcaac tggaggagag 2760

0967559-030301
 T09080"69529560

caatgaaaca	tggcattcag	tcacaaaagg	ttgttgctga	agttattaaa	caaaagccaa	2820
cagttcgttg	gttgtttctc	acattaacag	ttaaaaatgt	ttatgatggc	gaagaattaa	2880
ataagagttt	gtcagatatg	gctcaaggat	ttcgccgaat	gatgcaatat	aaaaaatta	2940
ataaaaaatct	tgttggtttt	atgcgtgcaa	cggaagtgac	aataaataat	aaagataatt	3000
cttataatca	gcacatgcat	gtattggtat	gtgtggaacc	aacttatttt	aagaatacag	3060
aaaactacgt	gaatcaaaaa	caatggattc	aatttttgaa	aaaggcaatg	aaattagact	3120
atgatccaaa	tgtaaaagtt	caaatgattc	gaccgaaaaa	taaatataaa	tcggatatac	3180
aatcggaat	tgacgaaact	gcaaaatatc	ctgtaaagga	tacggatttt	atgaccgatg	3240
atgaagaaaa	gaatttgaaa	cgtttgtctg	atttgaggga	aggtttacac	cgtaaaaggt	3300
taatctccta	tggtggtttg	ttaaaagaaa	tacataaaaa	attaaacctt	gatgacacag	3360
aagaaggcga	tttgattcat	acagatgatg	acgaaaaagc	cgatgaagat	ggatttttcta	3420
ttattgcaat	gtggaattgg	gaacggaaaa	attattttat	taaagagtag	ttcaacaaac	3480
gggccatatt	gttgataag	tgatgaaata	ctgaatttaa	aacttagttt	atatgtggta	3540
aaatgtttta	atcaagttta	ggaggaatta	attatgaagt	gtaatgaatg	taacaggggt	3600
caattaaaag	agggaagcgt	atcattaacc	ctataaacta	cgtctgccct	cattattgga	3660
gggtgaaatg	tgaatacatc	ctattcacaa	togaatttac	gacacaacca	aattttaatt	3720
tggctttgca	ttttatcttt	ttttagcgta	ttaaatgaaa	tggttttgaa	cgtctcatta	3780
cctgatattg	caaatgattt	taataaacca	cctgcgagta	caaactgggt	gaacacagcc	3840
tttatgttaa	ccttttccat	tggaacagct	gtatatggaa	agctatctga	tcaattaggc	3900
atcaaaaggt	tactcctatt	tggaattata	ataaattggt	tcgggtcggt	aattgggttt	3960
gttggccatt	ctttcttttc	cttacttatt	atggctcggt	ttattcaagg	ggctggtgca	4020
gctgcatttc	cagcactcgt	aatggttgta	gttgcgcgct	atattccaaa	ggaaaatagg	4080
ggtaaagcat	ttggtcttat	tggatcgata	gtagccatgg	gagaaggagt	cggctccagcg	4140
attggtggaa	tgatagccca	ttatattcat	tggtcctatc	ttctactcat	tcctatgata	4200
acaattatca	ctgttcctgt	tccttatgaa	ttattaaaga	aagaagtaag	gataaaaggt	4260
cattttgata	tcaaaggaat	tatactaatt	tctgtaggca	ttgtattttt	tatgttggtt	4320
acaacatcat	atagcatttc	ttttcttatc	gttagcgtgc	tgtcattcct	gatatttgta	4380
aaacatatca	ggaaagtaac	agatcctttt	gttgatcccg	gattagggga	aaatatacct	4440
tttatgattg	gagttctttg	tgggggaatt	atatttgga	cagtagcagg	gtttgtctct	4500
atggttcctt	atatgatgaa	agatgttcac	cagctaagta	ctgccgaaat	cggaagtgta	4560
attattttcc	ctggaacaat	gagtgtcatt	attttcggct	acattgggtg	gatacttggt	4620